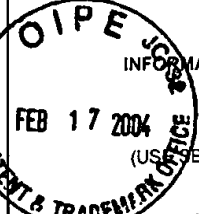


#7

SHEET 1 OF 1

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. SAEG150.01CP1C1	APPLICATION NO. 09/993,874
 <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(USE SEVERAL SHEETS IF NECESSARY)</p>		APPLICANT Vadim R. Viviani, et al.	
		FILING DATE November 14, 2001	GROUP 1652

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
ES	Vadim R. Viviani, et al., "BIOPHYSICAL AND BIOCHEMICAL ASPECTS OF PHENGODID (RAILROAD-WORM) BIOLUMINESCENCE," Photochemistry and Photobiology, Vol. 58, No. 4, pp.615-622 (1993)
ES	Vadim R. Viviani, et al., "BIOLUMINESCENCE OF BRAZILIAN FIREFLIES (COLEOPTERA: LAMPYRIDAE): SPECTRAL DISTRIBUTION AND pH EFFECT ON LUCIFERASE-ELICITED COLORS. COMPARISON WITH ELATERID AND PHENGODID LUCIFERASES," Photochemistry and Photobiology, Vol. 62, No. 3, pp. 490-495 (1995)
ES	Vadim R. Viviani, et al., "Bioluminescence and Biological Aspects of Brazilian Railroad-Worms (Coleoptera: Phengodidae)," Annals of the Entomological Society of America, Vol. 90 no. 3, pp. 389-398 (1997)
ES	VR Viviani, et al., "CLONING AND CHARACTERIZATION OF cDNA FOR THE LARVAL CLICK-BEETLE <i>Pyrearinus termitilluminans</i> (COLEOPTERA:ELATERIDAE) LUCIFERASE," Proceedings of the 10 th International Symposium on Bioluminescence and Chemiluminescence, Bologna, Italy, John Wiley & Sons, New York, pp. 384-387 (1999)
cited in PTD-892 12/13/02	Vadim R. Viviani, et al., "Cloning, Sequence Analysis, and Expression of Active <i>Phrixothrix</i> Railroad-Worms Luciferases: Relationship between Bioluminescence Spectra and Primary Structures," Biochemistry 1999, 38, pp. 8271-8279

H:\DOCS\KOA\KOA-1473.DOC
021104

EXAMINER	<i>E. Slobodyan</i>	DATE CONSIDERED	5/11/04
<p>*EXAMINER: INITIAL IF CITATION CONSIDERED. WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 809; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.</p>			

PTO-1449 REPRODUCED

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

November 14, 2001

(Use several sheets if necessary)

ATTORNEY DOCKET NO.
2799.1001-002

APPLICATION NO.

APPLICANT
Vadim R. Viviani, et al.

FILING DATE

GROUP

1652

11046 U.S. PTO
09/993874

11/19/01

U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
ES	AA	5,700,673	23-DEC-97	McElroy et al.	435	189	06/02/95
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
	AL						
	AM						
	AN						
	AO						
	AP						
	AQ						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	Roda, A., et al., "Bioluminescence and Chemiluminescence", Proceedings of the 10 th International Symposium on Bioluminescence and Chemiluminescence held at Bologna, Italy, September 1998.
cited on PTO-892 12/13/02	AS	Viviani, V.R., et al., "Cloning, Sequence Analysis, and Expression of Active <i>Phrixothrix Railroad Worms</i> Luciferases: Relationship between Bioluminescence Spectra and Primary Structures", <i>Biochemistry</i> , 38(26):8271-8279 (1999).
ES	AT	Viviani, V.R., et al., "Bioluminescence Color Determinants of <i>Phrixothrix Railroad-worm</i> Luciferases: Chimeric Luciferases, Site-directed Mutagenesis of Arg 215 and Guanidine effect", <i>Photochemistry and Photobiology</i> , 72(2):267-271 (2000).

EXAMINER

E. Slobodyanov

DATE CONSIDERED

5/11/04

PTO-1449 REPRODUCED INFORMATION DISCLOSURE CITATION IN AN APPLICATION November 14, 2001 (Use several sheets if necessary)	ATTORNEY DOCKET NO. 2799.1001-002	APPLICATION NO. 09/993,874
	APPLICANT Vadim R. Viviani, et al.	
	FILING DATE 11/14/01	GROUP 1602

U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

ES	AU	NCBI deposit AF139644 <u>GenBank database (June 2, 1999) accession</u>
ES	AV	NCBI deposit AF139645 <u>GenBank database (June 2, 1999) accession</u>
ES	AW	Viviani et al., "Cloning and Characterization of cDNAs for Phrixothrix spp (Coleoptera:Phenogodidae) Railroad-Worms Luciferases", J. Biolumin Chemilumin., 13:239 (1998) Abstract from the 10 th International Symposium on Bioluminescence & Chemiluminescence, Bologna, Italy 4-8 September 1998.
ES	AX	Viviani, et al., "Thr226 is a Key Residue for Bioluminescence Spectra Determination in Beetle Luciferases", Biochem. and Biophys. Research Commun., 280:1286-1291 (2001).

EXAMINER E. Slobodyanetsky	DATE CONSIDERED 5/11/04
-------------------------------	----------------------------